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- 5           1. An electronic device, comprising:  
               a housing containing communications electronics,  
               responsive to a movable housing element signal, for  
               providing a communications signal to a communications  
               system;  
               a movable housing element being mounted on the  
               housing, responsive to a contact force by a user, for  
               providing the movable housing element signal to the  
               housing that contains information about the position of a  
               contact force applied by the user on the movable housing  
               element, as well as information about the position of the  
               movable housing element in relation to the housing.
- 10           2. An electronic device according to claim 1,  
               wherein the movable housing element is a touch  
               sensitive slide.
- 15           3. An electronic device according to claim 2,  
               wherein the movable housing element is a flip-type  
               hinged structure.

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4. A communications device, comprising:  
a main body communications circuit, responsive to a  
touch sensitive slide signal, for providing a  
communications signal to a communications system; and  
a touch sensitive slide, responsive to a contact  
force by a user, for providing the touch sensitive slide  
signal containing information about a position of the  
contact force applied by the user on the touch sensitive  
slide.

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5. A communications device according to claim 4,  
wherein the communications device further comprises  
a main body for housing the main body communications  
circuit; and  
wherein the touch sensitive slide is slidably  
mounted on the main body.

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6. A communications device according to claim 4,  
wherein the main housing communications circuit  
includes a controller, a keyboard touchslide interface  
and an RF circuit;  
wherein the keyboard touchslide interface provides  
the touch sensitive slide signal to the controller; and  
wherein the controller processes the touch  
sensitive slide signal and provides the communications  
signal to the RF circuit; and

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wherein the RF circuit provides the communications signal to the communications system.

7. A communications device according to claim 6,  
5 wherein the touch sensitive slide includes slide circuitry and a slide interface circuit;

wherein the slide circuitry provides the touch sensitive slide signal to the touch sensitive slide interface; and

wherein the slide interface cooperates with the keyboard touchslide interface for providing the touch sensitive signal to the controller.

8. A communications device according to claim 4,  
15 wherein the touch sensitive slide is made of touch sensitive resistive or capacitive material or electromechanical foil.

9. A communications device according to claim 4,  
20 wherein the touch sensitive slide has a keyboard with preprinted key signs, including either a send key, an end key, a pound key, an asterisk key or number keys from zero to nine; and

25 wherein the touch sensitive slide signal contains information about the preprinted key signs contacted by the user.

10. A communications device according to claim 4,  
wherein the touch sensitive slide is adaptable for  
using as a mouse or a drawing table; and  
wherein the touch sensitive slide signal contains  
5 information about mouse or drawing table inputs by the  
user.

11. A communications device according to claim 5,  
wherein the communications device has a display for  
providing communications information to the user; and  
wherein the touch sensitive slide covers a part of  
the display when slid in a closed position.

12. A communications device according to claim 11,  
wherein the touch sensitive slide is adapted as a  
mouse pad or a drawing table when the touch sensitive  
slide is slid in an open position; and  
wherein the touch sensitive slide signal contains  
information about mouse or drawing table inputs by the  
20 user.

13. A communications device according to claim 4,  
wherein the main body communications circuit  
includes an infrared (IR) sensor circuit for detecting  
the placement or location of the communications device in  
relation to an object, for providing an infrared (IR)  
sensor circuit signal containing information about the  
placement or location of the communications device in  
relation to the object.

10 14. A communications device according to claim 14,  
wherein the communications device includes a speaker  
for providing a ring for an incoming call, and for  
providing voice signals to the user;  
wherein the main body communications circuit  
includes a controller, responsive to the infrared (IR)  
sensor device signal, for providing a ring control  
signal; and  
wherein the main body communications circuit also  
includes an audio circuit, responsive to the ring control  
signal, for adjusting the volume of the ring of the  
speaker in response to a ring control signal from the  
controller.

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15. A communications device according to claim 4,  
wherein the communications device is a mobile phone.

16. A communications device according to claim 9,  
5 wherein the communications device includes a speaker  
for providing a keying guide sound containing audio  
information about the preprinted key signs which is  
activated by applying less pressure on the touch  
sensitive slide for assisting people having a sight  
handicap.

17. A communications device according to claim 9,  
wherein the communications device includes a  
speaker;  
15 wherein the main body communications circuit  
includes a controller and an audio circuit;  
wherein the controller provides a keystroke  
confirmation signal to the audio circuit to confirm a key  
stroke; and

20 wherein the audio circuit, responds to the  
keystroke confirmation signal, for providing an audio  
confirmation signal to the speaker to provide a "click"  
sound when the preprinted key signs are pressed on the  
touch sensitive slide.

18. A communications device according to claim 4,  
wherein the touch sensitive slide has one or two  
parameter sensing in the X or Y direction.

5 19. A communications device according to claim 5,  
wherein the main body communications circuit  
includes a controller and a keyboard touchslide  
interface; and

wherein the keyboard touchslide interface provides  
the touch sensitive slide signals to the controller.

10 20. A communications device according to claim 4,  
wherein the touch sensitive slide has a slide  
interface circuit for providing the touch sensitive slide  
signal provided to the main body communications circuit.

15 21. A communications device according to claim 4,  
wherein the touch sensitive slide has slide  
circuitry having means for changing the color of the  
surface thereof depending on the contact force applied by  
20 the user.

25 22. A communications device according to claim 9,  
wherein the preprinted key signs are drawn on the  
surface of the keyboard.

23. A communications device according to claim 9,  
wherein the preprinted key signs are drawn on and  
raised above the surface of the keyboard.

5 24. A communications device according to claim 9,  
wherein the preprinted key signs are drawn on and  
hollowed below the surface of the keyboard.

10 25. A communications device according to claim 4,  
wherein the touch sensitive slide has a keyboard  
construction that includes a back surface, an inner key  
construction and a touch sensitive top layer.

15 26. A communications device according to claim 25,  
wherein there is a space formed in the inner key  
construction between the back surface and the touch  
sensitive top layer for pressing down the preprinted key  
signs.

20 27. A communications device according to claim 4,  
wherein the communications device has a main body  
for housing the main body communications circuit; and  
wherein the communications device has a slide  
position switch connected between the main body and the  
25 touch sensitive slide, that responds to the position of  
the touch sensitive slide in relation to the main body,

for providing a slide position switch signal containing information about the position of the touch sensitive slide in relation to the main body.

5           28. An electronic device according to claim 1,  
              wherein the function of the movable housing element changes depending on the position of the movable housing element in relation to the housing.

10           29. An electronic device according to claim 28,  
              wherein the movable housing element functions as a mouse or a drawing table when the movable housing element is in an open position in relation to the housing; and  
              wherein the movable housing element signal contains information about mouse or drawing table inputs by the user.

15           20           30. An electronic device according to claim 28,  
              wherein the movable housing element functions as a keyboard when the movable housing element is in a closed position in relation to the housing; and  
              wherein the movable housing element signal contains information about keyboard inputs by the user.

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